

## SEQUENCE LISTING

&lt;110&gt; JAMES FULLER

&lt;120&gt; NUCLEIC ACID CONSTRUCTS

&lt;130&gt; APF 33 (X.13149 GCW)

&lt;160&gt; 53

&lt;170&gt; PatentIn version 3.1

&lt;210&gt; 1

&lt;211&gt; 685

&lt;212&gt; DNA

&lt;213&gt; Human cytomegalovirus

&lt;400&gt; 1

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&lt;210&gt; 2

&lt;211&gt; 131

&lt;212&gt; DNA

&lt;213&gt; Human cytomegalovirus

&lt;400&gt; 2

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actcaccgtc c                                     131

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&lt;210&gt; 3

&lt;211&gt; 135

&lt;212&gt; DNA

&lt;213&gt; Rattus rattus

&lt;400&gt; 3

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gatttgaggg acgctgtggg ctottctctt acatgtacct tttgctagcc tcaaccctga	120
ctatcttcca ggtca	135

&lt;210&gt; 4

&lt;211&gt; 955

&lt;212&gt; DNA

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Chimeric promoter sequence

&lt;400&gt; 4

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&lt;210&gt; 5

&lt;211&gt; 121

&lt;212&gt; DNA

&lt;213&gt; Hepatitis B virus

&lt;400&gt; 5

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c

121

&lt;210&gt; 6

&lt;211&gt; 57

&lt;212&gt; DNA

&lt;213&gt; Herpes simplex virus

&lt;400&gt; 6

ataagctgca ttgcgaacca ctagtgcgag tttttcgtgt gcatcgcgta tcaaggc

57

&lt;210&gt; 7

&lt;211&gt; 48

&lt;212&gt; DNA

&lt;213&gt; Hepatitis B virus

&lt;400&gt; 7

ctttgtacta ggaggctgta ggcatataatt ggtctgttca ccagcacc

48

&lt;210&gt; 8

&lt;211&gt; 533

&lt;212&gt; DNA

&lt;213&gt; Hepatitis B virus

&lt;400&gt; 8

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&lt;210&gt; 9

&lt;211&gt; 158

&lt;212&gt; DNA

&lt;213&gt; Simian cytomegalovirus

&lt;400&gt; 9

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<210> 10

<211> 131

<212> DNA

<213> *Oryctolagus cuniculus*

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tcactcgga g 131

<210> 11

<211> 204

<212> DNA

<213> *Simian cytomegalovirus*

<400> 11

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gtgcctgtac ttgtgctgtg ctgtggatct caataaatgt gactatgttc aaaacactaa 180  
gtgccccgt gtcttcttta acta 204

<210> 12

<211> 163

<212> DNA

<213> *Herpes simplex virus 2*

<400> 12

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<211> 191

<212> DNA

<213> *Human papillomavirus type 16*

<400> 13

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<210> 14

<211> 3759

<212> DNA

<213> Artificial sequence

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<221> Intron

<222> (1725)..(1857)

<223> Rat Ins IntA

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<221> misc\_feature

<222> (1)..(44)

<223> Tn903, pUC4K Remnants

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<222> (861)..(896)

<223> Tn903, pUC4K Remnants

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<222> (897)..(902)

<223> pUC19 MCS

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<221> polyA\_signal

<222> (2556)..(2686)

<223> rGLOB pA

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<221> polyA\_site

<222> (2647)..(2647)

<223> PolyA\_Site\_1

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<221> promoter

<222> (903) .. (1587)

<223> CMV Pro

<220>

<221> 3'UTR

<222> (2012) .. (2544)

<223> HBVenh

<220>

<221> 5'UTR

<222> (1864) .. (1984)

<223> 5'-UTR of HBV pre-S2

<220>

<221> misc\_feature

<222> (1719) .. (1724)

<223> Bam/Bgl fusion

<220>

<221> misc\_feature

<222> (1985) .. (1987)

<223> ATG-Nhe

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<222> (1988) .. (2011)

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<222> (2545) .. (2555)

<223> unknown

<220>

<221> exon

<222> (1588) .. (1718)

<223> CMV Exon 1/2

<220>

<221> misc\_feature

<222> (2693) .. (3759)

&lt;223&gt; pUC19

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (45) .. (860)

&lt;223&gt; KanR (Tn903) complement

&lt;400&gt; 14

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Val Arg Ser Pro Gly Asp Ala Ile His

1

5

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gct gtt ttg acc tcc ata gaa gac acc ggg acc gat cca gcc tcc gcg      1662
Ala Val Leu Thr Ser Ile Glu Asp Thr Gly Thr Asp Pro Ala Ser Ala
10              15              20              25

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gcc ggg aac ggt gca ttg gaa cgc gga ttc ccc gtg cca aga gtg act      1710
Ala Gly Asn Gly Ala Leu Glu Arg Gly Phe Pro Val Pro Arg Val Thr

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&lt;210&gt; 15

&lt;211&gt; 42



<212> DNA

<213> Artificial sequence

<220>

<223> Primer

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<211> 21

<212> DNA

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<220>

<223> Primer

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21

<210> 17

<211> 23

<212> DNA

<213> Artificial sequence

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<223> Primer

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23

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<211> 33

<212> DNA

<213> Artificial sequence

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26

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11/19

&lt;223&gt; Primer

&lt;400&gt; 22

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37

&lt;210&gt; 23

&lt;211&gt; 25

&lt;212&gt; DNA

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Primer

&lt;400&gt; 23

ggagctagcc ttctaaccga ggtcg

25

&lt;210&gt; 24

&lt;211&gt; 30

&lt;212&gt; DNA

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Primer

&lt;400&gt; 24

ggaagatctc cttactccag ctctatgctg

30

&lt;210&gt; 25

&lt;211&gt; 27

&lt;212&gt; DNA

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Primer

&lt;400&gt; 25

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&lt;210&gt; 26

&lt;211&gt; 43

<212> DNA

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<223> Primer

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<220>

<223> Primer

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31

<210> 28

<211> 36

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<220>

<223> Primer

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36

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<223> Primer

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29

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28

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<213> Artificial sequence

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<223> Primer

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28

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<223> Primer

<400> 37

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<223> Primer

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<220>

<223> Primer

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51

<210> 46

<211> 24

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 46

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24

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<213> Artificial sequence

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<223> Primer

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25

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<212> DNA

<213> Artificial sequence

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<213> Artificial sequence

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25

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<212> DNA

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<223> Primer

<400> 50

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32

<210> 51

<211> 29

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 51

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29

<210> 52

<211> 490

<212> DNA

<213> Pseudo rabies virus

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gaggaagtag ggagagaaat cccattggcc gtcgaggggc	180
cgacatgca aagtagacgc gagaggaagt ggcgagaga	240
gggcaagatg gccgcgcgg ggccggggca tgcaaatggt	300
cgaaatccca ttggccggcg gccgccatct tgggcccggc	360
gaagcggcg agaaaaatcc cattggccgg ccgtcgggga	420
cattggtccg cttacctggg ggcgggctct cctcggggcg	480
cgtagcactt	490

<210> 53

<211> 495

<212> DNA

<213> Rous sarcoma virus

<400> 2

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ctgcttcgcg atgtacgggc cagatatacg cgtatctgag	180
cgaaaagcgg ggcttcgggt gtaoggggtt aggagttccc	240
ttttgcatag ggagggggaa atgtagtctt atgcaataca	300
taacgatgag ttagcaacat gccttacaag gagagaaaaa	360
tggaagtaag gtggtacgat cgtgcottat taggaaggca	420
ttggacgaac cactgaattc cgcattgcag agataattgt	480
acaataaacg ccatt	495